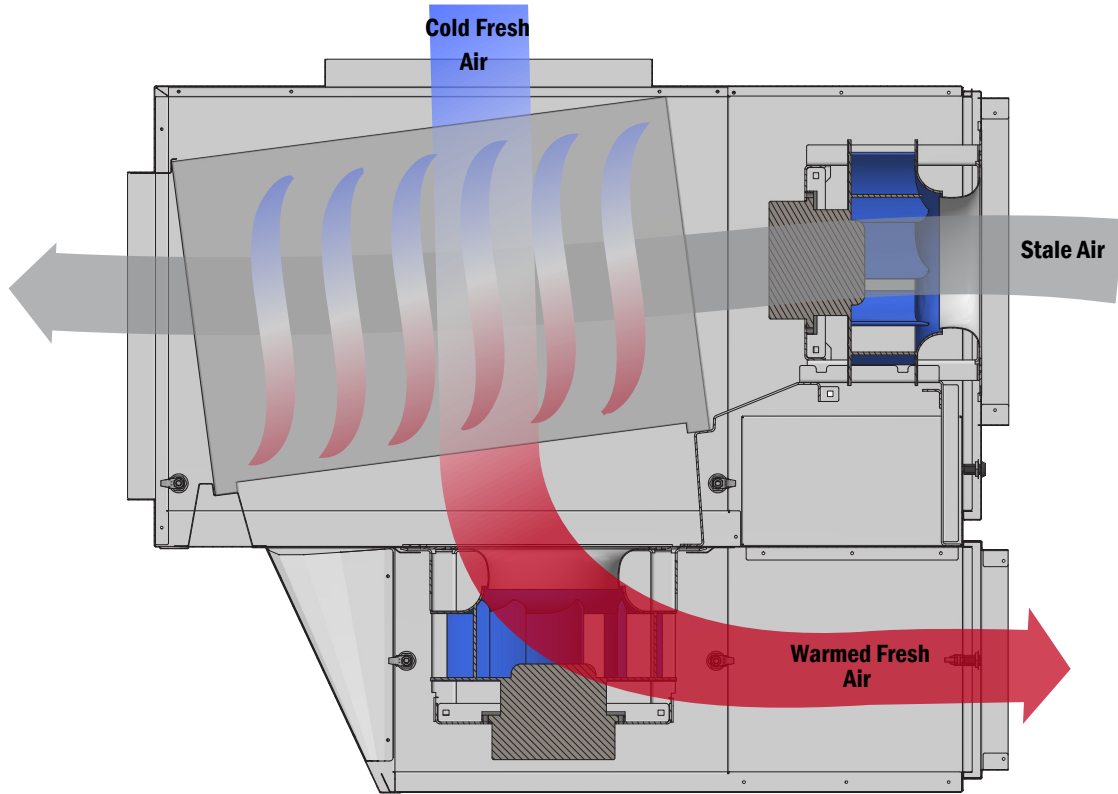




**Better  
AIR**

**enjoy fresh air, lower heating costs  
dependable moisture control**

**Better Air Exchanger**  
*Heat Recovery Ventilation*



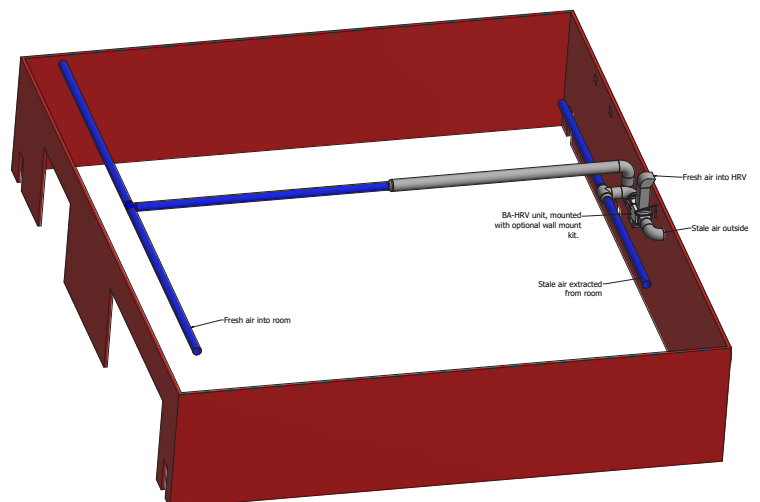
The Better Air Exchanger automatically exchanges humid, stale air from inside the garage or shop with an equal amount of fresh outside air.

Two air streams enter the unit's core where they pass by each other, but do not mix since the individual aluminum plates in the core keep them separate. The EXHAUST fan draws stale, moist air from inside the building into the unit before sending this air to the outside. The INTAKE fan simultaneously draws fresh, dry air from the outside into the unit where it passes between the aluminum plates absorbing the heat from the exhausting stale air.

The clean, dry, fresh pre-heated air is then circulated into the shop. As it becomes stale, it is drawn into the Air Exchanger and the process is repeated.

## Without the Better Air Exchanger

- During cold winter humidity buildup is inevitable, creating a humid environment inside our buildings. Excess moisture coats walls, ceilings and eventually permeates building structures. This excess of moisture creates an environment that is detrimental to the longevity of the building. Metal tools, equipment and building structures begin to rust. Wooden structures take on moisture creating mildew which drastically speeds up rot and deterioration.
- Indoor air pollutants build up. These pollutants come from welders, paint booths, and exhaust from machinery which creates a harmful workplace environment. Other contaminants include formaldehyde from paints, glues, insulation, and radon from building materials.



# Our commercial units

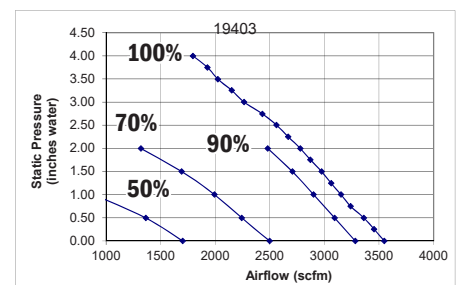
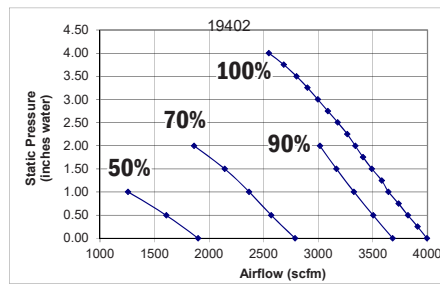
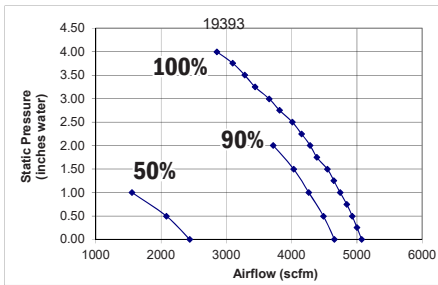


## BA-HRV-XX models come with:

- Ziehl ECM reverse curved fans. These fans are excellent for pressured applications that require ductwork. Airflow data at pressures up to 4" are available for the BA-HRV models.
- Cores are removable for cleaning, but we suggest using a filter system in dirty environments to keep the fans clean as well.
- Built in mounting brackets on HRV make HRV suspension a breeze.
- Wall mounting kit is available for all BA-HRV sizes.
- Real time temperature monitoring for defrost initiation. No dampers on defrost cycle. This reduces the amount of moving parts that need maintaining.
- LCD touchscreen remote HMI control, multiple control modes
  - Timer mode (set time and speed and unit will run for the duration)
  - Humidity mode
    - Enter desired humidity setpoints, unit will automatically adjust fan speed/turn fans on or off as needed to stay within setpoint. Can also be set to shut unit off if room temperature cools off
  - Constant mode
    - Enter speed and unit will run continuously at set speed
  - CO detector input
    - If CO sensors are needed in building – they can be wired into HRV to turn fans on when CO sensors call for it
    - Also have outputs to enable aux. air dampers or purge fans if HRV is not the only ventilation system in a room. This eliminates need for a second control system to control the fans and air intake dampers
  - Timer boost
    - Timed operation of a set speed, unit will revert back to previously selected mode when the time boost expires
  - Customizable control options available. We can make changes to your control as needed at the time of sale in order to adapt to custom applications.
  - Digital fan airflow balancing option
  - We can password protect the HMI for you to prevent tampering.



LCD control screen comes standard with BA-HRV models



### BA-HRV-50

**5000 CFM @ 0" S.P.**  
**208V, 3ph, 13.2 amps**  
 Shipping weight: **770 LBS**  
**65.5" L, by 53.5" H by 41.5" W**

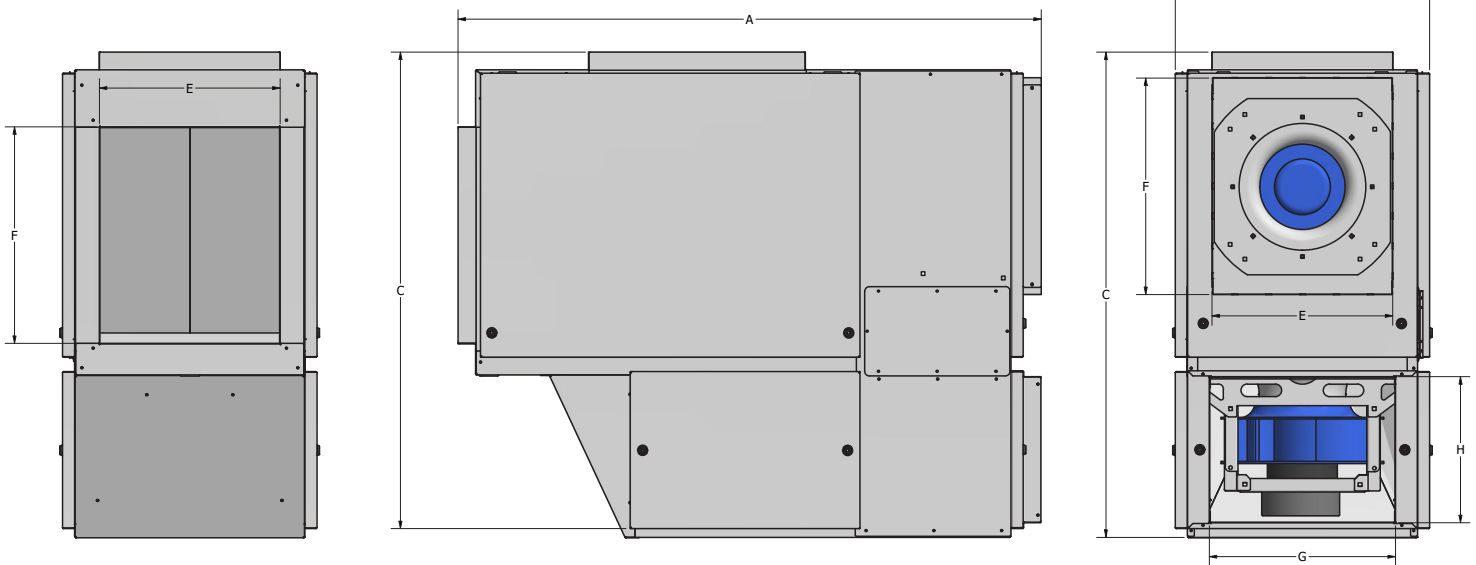
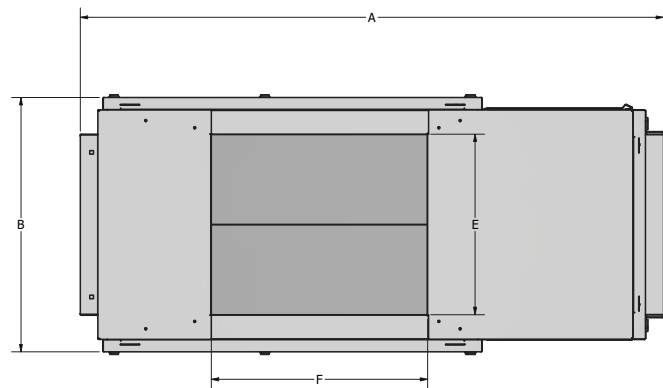
### BA-HRV-40

**4000 CFM @ 0" S.P.**  
**208V, 3ph, 17.5 amps**  
 Shipping weight: **575 lbs**  
**65.5" L, by 53.5" H by 28.5" W**

### BA-HRV-35

**3500 CFM @ 0" S.P.**  
**208V, 3ph, 12.5 amps**  
 Shipping weight: **575 lbs**  
**65.5" L, by 53.5" H by 28.5" W**

	BA-HRV-50	BA-HRV-40	BA-HRV-35
A	64.64	64.55	64.55
B	41.5	28.16	28.16
C	53.75	53.75	53.75
E	24	20	20
F	30	24	24
G	30	20	20
H	16	16	16



Box 490 MacGregor, MB R0H 0R0 CANADA  
 ph: 204.252.2333 fax: 204.252.2928  
 web: [www.betterair.ca](http://www.betterair.ca)